STATE PREPAREDNESS REPORT

January 25, 2012 John Ufford

BACKGROUND

- 2003 Homeland Security Presidential Directive (HSPD) 8
- 2006 Post Katrina Emergency Management Reform Act
- 2007 DHS requires State Preparedness Report (SPR)
- 2009 SPR changes form to an assessment of target capabilities (37)
- 2010 National Preparedness Task Force recommends a risk based target capability assessment
- 2011 Presidential Policy Directive 8 replaces HSPD 8; SPR becomes a qualitative, quantitative, risk based assessment of core capabilities

TIMELINE

- × Sep 22: Training in Washington, DC
- Oct 11: Steps 1 & 2 completed
- Oct 17: Distributed input forms to agencies
- Oct 20: Provided input form overview training
- Nov 16: Input forms due
- Dec 7: All inputs received, consolidated
- Dec 7: Agency review and comment
- Dec 9: Distributed for CHS, EMC and regional / local stakeholders for review and comment
- Dec 16: Brief to DSEG
- Dec 21: Report submitted to DHS after Governor's approval
- x Dec 30: Report deadline

CORE CAPABILITY LIST

PREVENT Eff. 09/12/2011

Planning

Public Information and Warning

Operational Coordination

Intelligence and Information Sharing

Interdiction and Disruption

Screening, Search and Detection

Forensics and Attribution

PROTECT Eff. 09/12/2011

Planning

Public Information and Warning

Operational Coordination

Intelligence and Information Sharing

Interdiction and Disruption

Screening, Search, and Detection

Access Control and Identity
Verification

Supply Chain Integrity and Security

Physical Protective Measures

Cybersecurity

Risk Management for Protection Programs and Activities RESPOND Eff. 09/12/2011

Planning

Public Information and Warning

Operational Coordination

Situational Assessment

Operational Communications

Environmental Response / Health and Safety

Critical Transportation

On-Scene Security and Protection

Mass Search and Rescue Operations

Public Health and Medical Services

Mass Care Services

Public and Private Services and Resources

Infrastructure Systems

Fatality Management Services RECOVER Eff. 09/12/2011

Planning

Public Information and Warning

Operational Coordination

Economic Recovery

Health and Social Services

Housing

Infrastructure Systems

Natural and Cultural Resources MITIGATION Eff. 09/12/2011

Planning

Public Information and Warning

Operational Coordination

Threats and Hazard Identification

Risk and Disaster Resilience Assessment

Community Resilience

Long-term Vulnerability
Reduction

THREAT / HAZARD	Earthquake
DEFINITION	Richter magnitude 7.0+; Well built wooden structures destroyed, most masonry and frame structures destroyed with foundations, rail greatly bent, and bridges destroyed; At worst – total destruction; Lines of sight and level distorted; Objects thrown into air.
CORE CAPABILITIES	 Operational Coordination Supply Chain Integrity and Security Community Resilience Long-term Vulnerability Reduction Critical Transportation Fatality Management Services Infrastructure Systems (Response Focus) Mass Care Services Mass Search and Rescue Operations Operational Communications Public and Private Services and Resources Situational Assessment Economic Recovery Health and Social Services Housing Infrastructure Systems (Recovery Focus) Natural and Cultural Resources

THREAT / HAZARD	Tsunami
DEFINITION	Disastrous – Oncoming water immensely powerful and capable of leveling whole towns, even some distance from shore; Waves 50+ feet above sea level, moving extremely fast; Wavelengths over 500 km when arriving on shore.
CORE CAPABILITIES	Public Information and Warning

THREAT / HAZARD	Human Pandemic
DEFINITION	Outbreak with 1 to 2% case fatality rate (excess fatality rate of 300 to 600 per population of 100,000).
CORE CAPABILITIES	Public Health and Medical Services

THREAT / HAZARD	Nuclear Accident
DEFINITION	Accident with Wider Consequences – Limited release of radiological material likely to require implementation of some planned countermeasures; Severe damage to reactor core; Release of large quantities of radioactive material with installation; High probability of significant public exposure.
CORE CAPABILITIES	• Planning

THREAT / HAZARD	RDD/Nuclear Attack
DEFINITION	Super Radiological Dispersive Device – Sophisticated device containing more than 10,000 Curies of gamma-emitting isotope (such as 60Co or 137Cs); "No entry zone" boundary up to about 600 meters.
CORE CAPABILITIES	Interdiction and Disruption (Protection Focus)

THREAT / HAZARD	Biological Attack (non-food)
DEFINITION	Successfully weaponized, drug-resistant strain of biological agent released into a crowded, enclosed public location; Highly contagious; Highly virulent; Results in high mortality rates (at least 30%).
CORE CAPABILITIES	 Intelligence and Information Sharing (Prevention Focus) On-scene Security and Protection

THREAT / HAZARD	Armed Assault
DEFINITION	Single shooter with semiautomatic firearm; Location of shooter known and stationary within a secure perimeter; Shooter potentially has access to additional victims.
CORE CAPABILITIES	Interdiction and Disruption (Prevention Focus)

THREAT / HAZARD	Explosive Devices		
DEFINITION	Vehicle-borne improvised explosive device (VBIED) made from cargo van or small box van containing 4,000 pounds to 10,000 pounds of explosives; Lethal air blast range 200 feet to 300 feet; Falling glass hazard 2,750 feet to 3,750 feet.		
CORE CAPABILITIES	 Screening, Search, and Detection (Prevention Focus) Screening, Search, and Detection (Protection Focus) Intelligence and Information Sharing (Protection Focus) Physical Protective Measures 		
THREAT / HAZARD	Cyber Attack		
DEFINITION	Nation-State or Terrorist Organization Projection of Power with Limited Resources – Motivated to protect power through cyber attacks on critical infrastructure; Includes threat actors who have limited resources, time, and access to accomplish objectives.		
CORE CAPABILITIES	 Forensics and Attribution Access Control and Identity Verification Cybersecurity 		
THREAT / HAZARD	Steady-State		
DEFINITION	Level of effort is not dependent on hazard severity.		
CORE CAPABILITIES	 Risk Management for Protection Programs and Activities Risk and Disaster Resilience Assessment Threat and Hazard Identification Environmental Response/Health and Safety 		

- Planning
- Organization
- Equipment
- Training
- × Exercise

Planning

Collection and analysis of intelligence and information, and development of policies, plans, procedures, mutual aid agreements, strategies, and other publications that comply with relevant laws, regulations, and guidance necessary to perform assigned missions and tasks.

Rating Scale

- 1. No plans / annexes exist
- 2. Plans / annexes are currently in progress
- 3. Plans / annexes exist, but lack some required elements
- 4. Plans / annexes are complete and up to date
- 5. Plans / annexes are complete and up to date; validated by exercise / operations

Planning is not required for this capability

This Jurisdiction is not responsible for providing planning for this capability

Organization

Individual teams, an overall organizational structure, and leadership at each level in the structure that comply with relevant laws, regulations, and guidance necessary to perform assigned missions and tasks. Paid and volunteer staff who meet relevant qualification and certification standards necessary to perform assigned missions and tasks.

Rating Scale

- 1. None (0%) of the required organizational structure exists
- 2. Little (< 50%) of the required organizational structure exists
- 3. Much (51% 75%) of the required organizational structure exists
- 4. Most (76% 99%) of the required organizational structure exists
- 5. All (100%) of the required organizational structure exists

Organization is not relevant for this capability

Organization for this capability is provided entirely by other jurisdictions

Equipment

Major items of equipment, supplies, facilities, and systems that comply with relevant standards necessary to perform assigned missions and tasks.

Rating Scale

- 1. None (0%) of the required equipment exists
- 2. Little (< 50%) of the required equipment exists
- 3. Much (51% 75%) of the required equipment exists
- 4. Most (76% 99%) of the required equipment exists
- 5. All (100%) of the required equipment exists; sustainment needs only Equipment is not relevant for this capability

Equipment for this capability is provided entirely by other jurisdictions

Training

Content and methods of delivery that comply with relevant training standards necessary to perform assigned missions and tasks.

Rating Scale

- 1. No training has been conducted
- 2. Few relevant personnel (< 50%) have completed relevant courses
- 3. Many relevant personnel (51% 75%) have completed relevant courses
- 4. Most relevant personnel (76% 99%) have completed relevant courses
- 5. All personnel, including many private sector reps / citizens have completed all relevant courses

Training is not relevant for this capability

Training for this capability is provided entirely by other jurisdictions

* Exercises

Exercises and actual major events that provide opportunities to demonstrate, evaluate, and improve the combined capability and interoperability of the other elements to perform assigned missions and tasks to standards necessary to achieve successful outcomes.

Rating Scale

- 1. No recent exercises have been conducted
- 2. Recent single discipline / jurisdictional exercise conducted
- 3. Recent single discipline / jurisdictional exercise conducted; plans updated using AAR / IP
- 4. Recent multi discipline / jurisdictional exercise conducted; plans updated using AAR / IP
- 5. Recent multi discipline / jurisdictional exercise demonstrated capability success; plans validated

Exercises are not relevant for this capability

Exercises for this capability are provided entirely by other jurisdictions

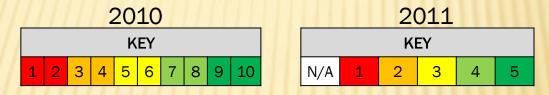


CORE CAPABILITY vs. TARGET CAPABILITY

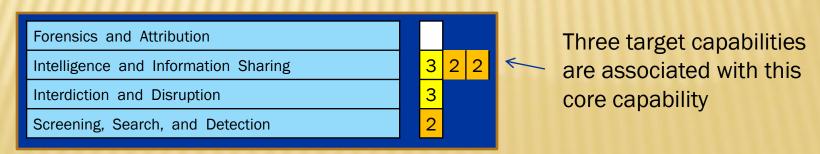
- * Target Capabilities focus of 2010 Assessment
 - + 37 capabilities
 - + Critical tasks incorporated into assessment tool
 - + Clarifying questions
 - + One overall rating (1 to 10) for each capability vs. five
- DHS provided crosswalk matrix relating core capabilities to select target capabilities
 - + No one for one alignment
 - + Target capabilities identified in the crosswalk
 - × Do not cover all aspects of the core capabilities
 - × Provide questionable and confusing linkage to core capability
 - + Core capabilities much broader in scope
 - × Public Health and Medical Services core capability linked to seven diverse target capabilities

2010 vs. 2011 ASSESSMENT RESULTS

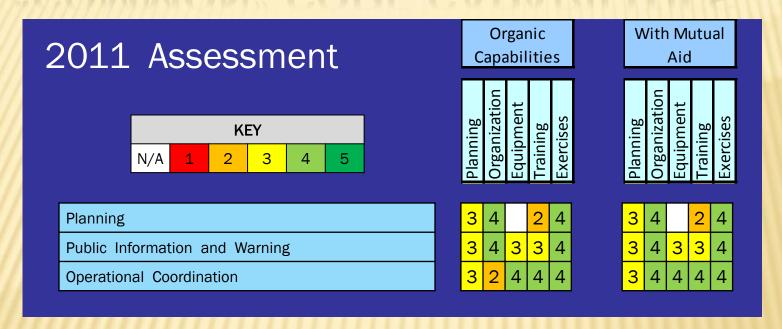
- 2010 assessment scores are displayed in colors which correlate to 2011 assessment scores for comparison
 - + Example: 2010 score of 7 or 8 is shown as the same color as a 2011 score of 4



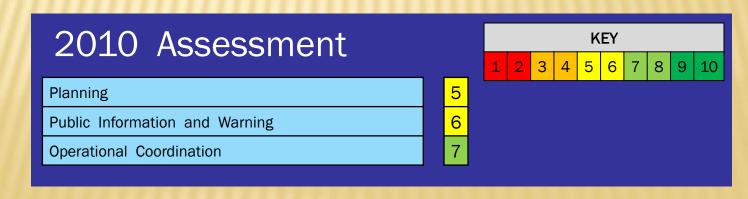
- 2010 target capability scores linked or associated with a core capability are depicted in the following manner
 - + One core capability may represent multiple target capabilities



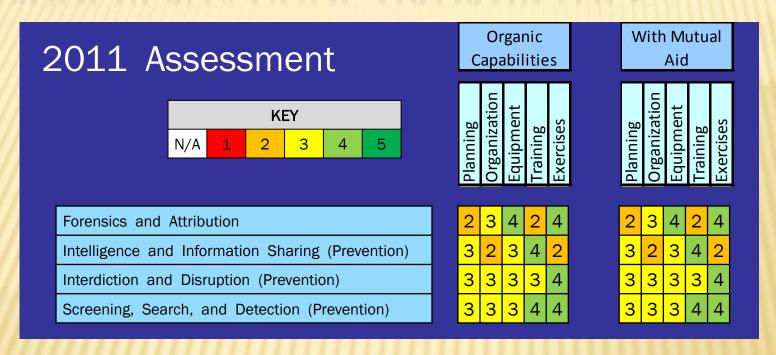
"COMMON" CORE CAPABILITIES



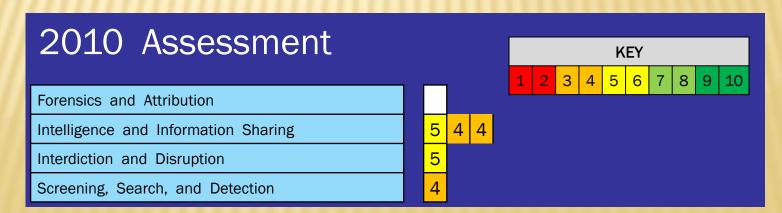
These core capabilities are common to all five mission areas – Prevent, Protect, Respond, Recovery and Mitigate.



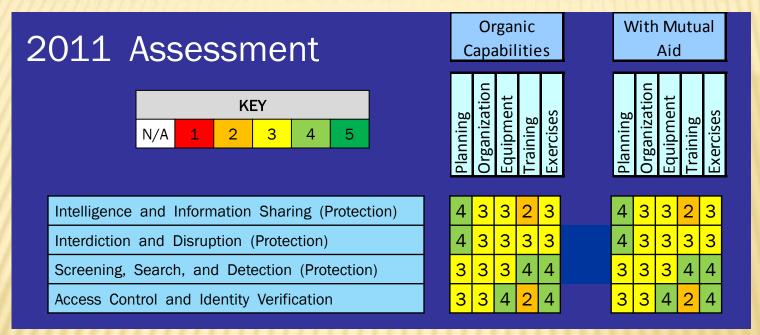
"PREVENT" CORE CAPABILITIES



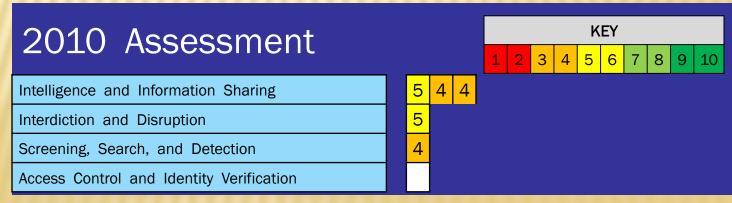
• Forensics and Attribution new capability, no crosswalk to target capabilities



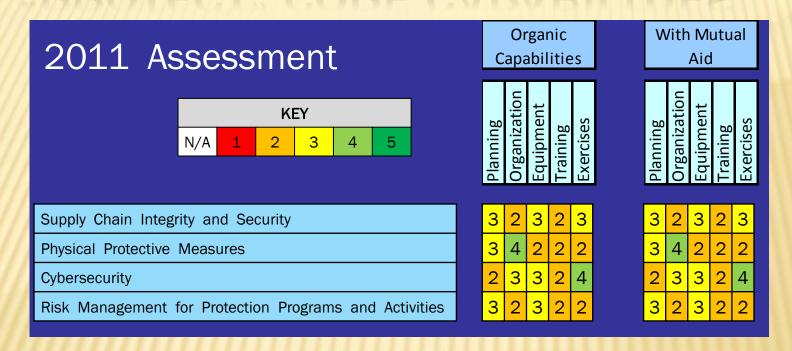
"PROTECT" CORE CAPABILITIES



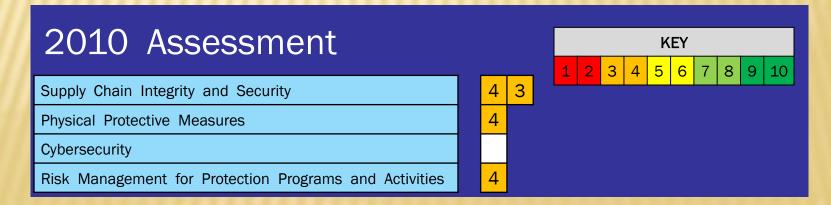
 Access Control and Identity Verification new capability, no crosswalk to target capabilities



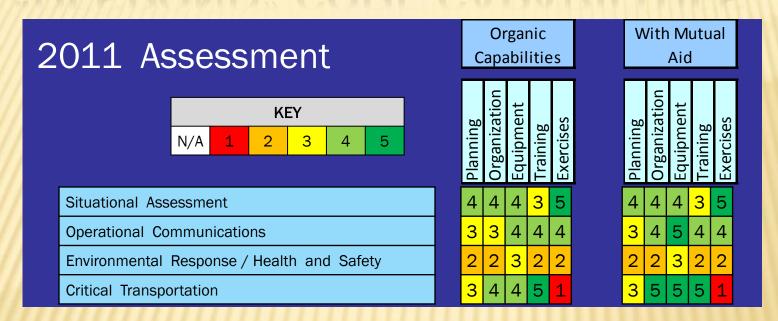
"PROTECT" CORE CAPABILITIES



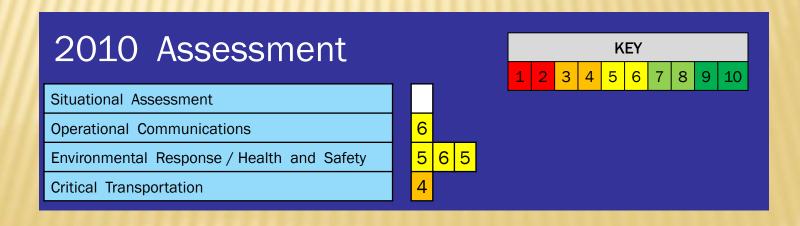
Cybersecurity new capability, no crosswalk to target capabilities



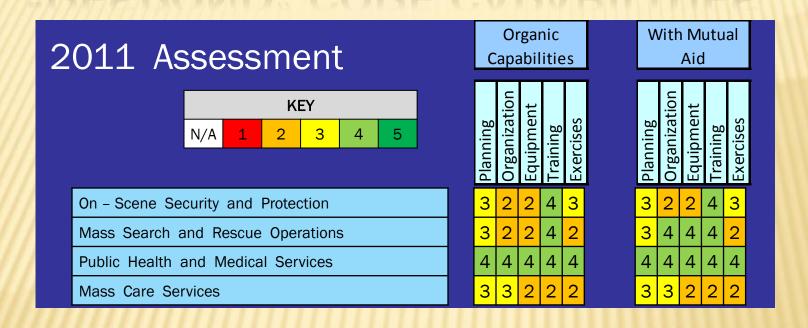
"RESPOND" CORE CAPABILITIES

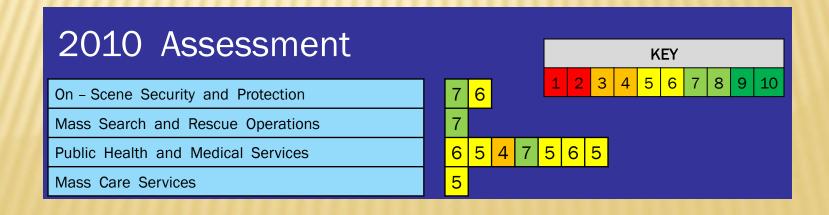


Situation Assessment new capability, no crosswalk to target capabilities

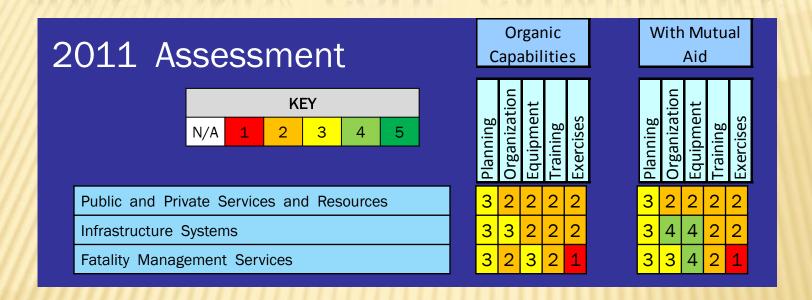


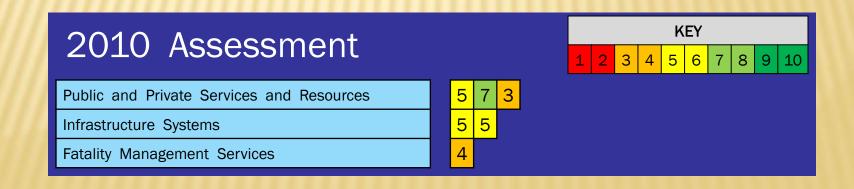
"RESPOND" CORE CAPABILITIES



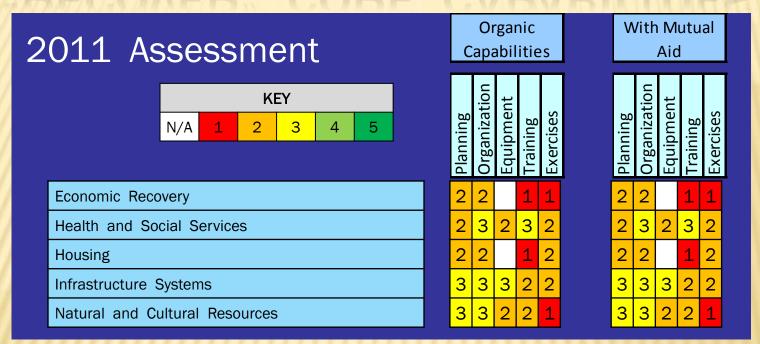


"RESPOND" CORE CAPABILITIES

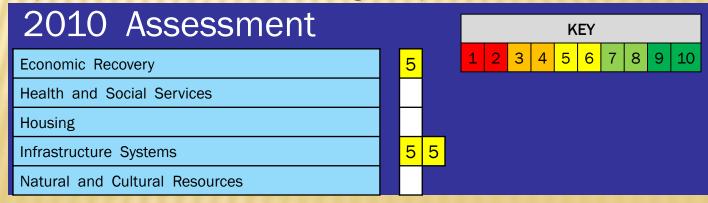




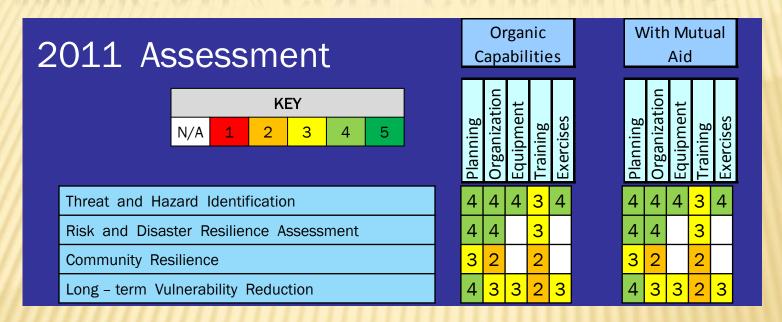
"RECOVER" CORE CAPABILITIES



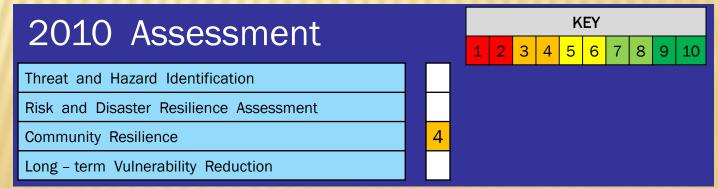
 Health and Social Services, Housing and Natural and Cultural Resources are new capabilities, no crosswalk to target capabilities



"MITIGATE" CORE CAPABILITIES



 Threat and Hazard Identification, Risk and Disaster Resilience Assessment and Long-term Vulnerability Reduction are new capabilities, no crosswalk to target capabilities



CORE CAPABILITY PRIORITIZATION

Planning	Н
Public Information and Warning	Н
Operational Coordination	Н
Forensics and Attribution	Н
Intelligence and Information Sharing (Prevention)	Н
Interdiction and Disruption (Prevention)	Н
Screening, Search, and Detection (Prevention)	Н
Access Control and Identity Verification	Н
Cybersecurity	Н
Intelligence and Information Sharing (Protection)	Н
Interdiction and Disruption (Protection)	М
Physical Protective Measures	Н
Risk Management for Protection Programs and Activities	Н
Screening, Search, and Detection (Protection)	Н
Supply Chain Integrity and Security	Н
Community Resilience	Η
Long-term Vulnerability Reduction	Н
Risk and Disaster Resilience Assessment	Н

Threats and Hazard Identification	Н
Critical Transportation	Ι
Environmental Response/Health and Safety	Н
Fatality Management Services	М
Infrastructure Systems (Response)	М
Mass Care Services	Η
Mass Search and Rescue Operations	Η
On-scene Security and Protection	М
Operational Communications	Η
Public and Private Services and Resources	Н
Public Health and Medical Services	Н
Situational Assessment	Н
Economic Recovery	М
Health and Social Services	Н
Housing	М
Infrastructure Systems (Recovery)	
Natural and Cultural Resources	Н

High Priority: 83% Medium Priority: 17%

HIGHEST ASSESSED CAPABILITIES

CORE CAPABILITY	% POINTS AVAILABLE 2011	% POINTS AVAILABLE 2010	PRIORITY
Situational Assessment	80%	N/A	HIGH
Public Health and Medical Services	80%	50%	HIGH
Threats and Hazard Identification	76%	N/A	HIGH
Risk and Disaster Resilience Assessment	73%	N/A	HIGH
Operational Communications	72%	50%	HIGH

LOWEST ASSESSED CAPABILITIES

% POINTS AVAILABLE 2011	% POINTS AVAILABLE 2010	PRIORITY
30%	50%	MEDIUM
35%	N/A	MEDIUM
44%	50%	HIGH
44%	30%	MEDIUM
44%	50%	HIGH
44%	N/A	HIGH
47%	30%	HIGH
48%	30%	HIGH
48%	50%	MEDIUM
48%	50%	HIGH
48%	N/A	HIGH
	AVAILABLE 2011 30% 35% 44% 44% 44% 44% 44% 48% 48% 48%	AVAILABLE 2010 30% 50% 35% N/A 44% 50% 44% 30% 44% N/A 47% 30% 48% 30% 48% 50% 48% 50%



ASSESSMENT PROCESS COMMENTS

- Core capability descriptions are broad
- Some core capability descriptions are closely linked, making differentiation and rating a challenge

+ EXAMPLE

- Community Resilience Lead the integrated effort to recognize, understand, communicate, plan, and address risks so that the community can develop a set of <u>actions to accomplish mitigation and</u> <u>improve resilience</u>.
- Economic Recovery Return economic and business activities to a healthy state and develop new business and employment opportunities that result in a sustainable and <u>economically viable community</u>.
- Infrastructure Systems (Recovery) Stabilize critical infrastructure functions, minimize health and safety threats, and efficiently <u>restore</u> and <u>revitalize systems and services to support a viable, resilient</u> <u>community</u>.

ASSESSMENT PROCESS COMMENTS

- More differentiation is needed when a core capability is assessed in two or more mission areas
 - + Capability targets for Infrastructure Systems Response and Recovery are identical and recovery focused
 - Decrease and stabilize immediate infrastructure threats to the affected population, to include <u>survivors in the heavily-damaged zone</u>, nearby communities that may be affected by cascading effects, and mass care support facilities and evacuation processing centers with a <u>focus on life-sustainment and congregate care services</u>.
 - <u>Re-establish</u> critical infrastructure within the affected areas to support ongoing emergency response operations, life sustainment, community functionality, and a transition to recovery.
 - <u>Restore and sustain essential services</u> (public and private) to maintain community functionality.
 - Develop a plan with a specified <u>timeline for redeveloping community</u> <u>infrastructures</u> to contribute to resiliency, accessibility, and sustainability.
 - × Provide systems that meet the community needs while <u>minimizing service</u> <u>disruption during restoration within the specified timeline in the recovery plan</u>.

ASSESSMENT PROCESS COMMENTS

- Do not tie core capability assessment to a single hazard
 - + Needed capabilities vary by hazard
 - + EXAMPLE: Mass Search and Rescue Operations
 - × Earthquake: Urban search and rescue focused capability
 - × Tsunami: Aerial, ground and water search and rescue focus
- * The exercise rating scale needs to be adjusted
 - + Is one multi discipline / jurisdiction exercise truly of more value than 39 single discipline / jurisdiction exercises?
 - × Recent single discipline / jurisdictional exercise conducted
 - * RATING 2
 - × Recent multi discipline / jurisdictional exercise conducted; plans updated using AAR / IP
 - * RATING 4

2012 ASSESSMENT RECOMMENDATIONS

RECOMMENDATIONS

- Federal AAR with stakeholders no later than February 2012 to collaboratively revise instrument
- Engage local jurisdictions / regions at beginning of 7 - month process in June
- Establish lead state agencies for coordination of core capabilities assessment
- Engage the private sector in the assessment of appropriate core capabilities

QUESTIONS?